

10-05-01

A

PATENT  
USA.229

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: David Montgomery Varnon et al. ) Attorney Docket No.: USA.229  
 Title: QUANTIZED FEED SYSTEM FOR ) Express Mail Label No.:  
 SOLID FREEFORM FABRICATION ) EF106052065US  
 Date Filed: October 3, 2001 ) Customer No.: **022514**

11011 U.S. PTO  
09/970956

10/03/01

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
 U.S. Patent and Trademark Office  
 Washington, D.C. 20231

**UTILITY PATENT APPLICATION TRANSMITTAL**Certificate Under 37 CFR §1.10

I hereby certify that this correspondence  
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 Assistant Commissioner for Patents  
 Washington D.C. 20231, on

October 3, 2001

Date of Deposit

Carolyn Moore

Name

Signature *Carolyn Moore*

Transmitted herewith for filing is the patent application of Inventors: David Montgomery Varnon, Jon Jody Fong and Raymond J. Bishop.

**APPLICATION ELEMENTS**

1. Fee Transmittal Form.
2. Type of Application.

This new application is for a(n) *(check one applicable item below)*:

☒ Original☐ Divisional☐ Continuation

☐ Continuation-in-part (CIP) of Prior Application No.:  
 Examiner: Group Art Unit:

**3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).**

- ☒ Pages of Specification                      Total Pages:     41
- ☒ Drawings - Informal                      Total Sheets:     4
- ☒ Oath or Declaration and Power of Attorney for  
Patent Application
- ☒ Newly executed (original or copy)
- ☐ Copy from a prior application (37 CFR 1.63(d))

**4. Additional Papers Enclosed.**

- ☒ Assignment Papers (cover sheet & document(s))
- ☒ Information Disclosure Statement (IDS)/PTO-1449  
    Copies of IDS Citations
- ☒ Return Receipt Postcard (MPEP 503)

**5. Inventorship.**

The inventorship names and addresses for all the claims in this application are:

David Montgomery Varnon  
29257 Abelia Road  
Canyon Country, CA 91351

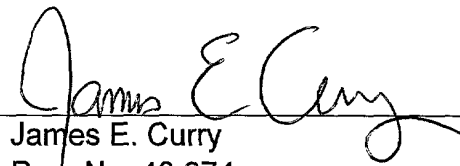
Jon Jody Fong  
22452 Galilee Street  
Calabasas, CA 91302

Raymond J. Bishop  
P.O. Box 800401  
Santa Clarita, CA 91380-0401

6. Language.

☒ English

Dated: October 3, 2001



James E. Curry  
Reg. No. 40,974  
Attorney for Applicants

3D Systems, Inc.  
26081 Avenue Hall  
Valencia, CA 91355  
(616) 295-5600, ext. 2470

☒ Statement Where No Further Pages Added.

☒ This Transmittal Ends With This Page.

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

## Complete if Known

Application Number  
 Filing Date **October 3, 2001**  
 First Named Inventor **David Montgomery Varnon**  
 Examiner Name  
 Group Art Unit  
 Attorney Docket No. **USA.229**

TOTAL AMOUNT OF PAYMENT **\$2,028.00**

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **20-0900**

Deposit Account Name **3D Systems, Inc.**

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- ☐ Applicant claims small entity status See 37 CFR § 1.27

2. ☐ Payment Enclosed:

- ☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	<b>740.00</b>
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	
SUBTOTAL (1)			<b>\$740.00</b>

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
66	-20** = 46	X 18.00 =	<b>828.00</b>
Independent Claims	8 - 3** = 5	X 84.00 =	<b>420.00</b>
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) **\$1,248.00**

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non - English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR § 1.17(q)	
126 180	126 180	Submission of Information Disclosure Statement	
581 40	581 40	Recording each patent assignment per property (times number of properties)	<b>40.00</b>
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **\$40.00**

## SUBMITTED BY

Name **James E. Curry** Registration No. **40,974** Telephone **661-295-5600 ext. 2470**  
 Signature *James E. Curry* Date **October 3, 2001**

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